

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
T&A-110

SERIAL NO.

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|-----------------------|----|----------|------|------|-------|----------|---------------------------------|
|                       | AA |          |      |      |       |          |                                 |
|                       | AB |          |      |      |       |          |                                 |
|                       | AC |          |      |      |       |          |                                 |
|                       | AD |          |      |      |       |          |                                 |
|                       | AE |          |      |      |       |          |                                 |
|                       | AF |          |      |      |       |          |                                 |
|                       | AG |          |      |      |       |          |                                 |
|                       | AH |          |      |      |       |          |                                 |
|                       | AI |          |      |      |       |          |                                 |
|                       | AJ |          |      |      |       |          |                                 |
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**FOREIGN PATENT DOCUMENTS**

|     |    | DOCUMENT       | DATE    | COUNTRY | CLASS | SUBCLASS | TRANSLATION              |                          |
|-----|----|----------------|---------|---------|-------|----------|--------------------------|--------------------------|
|     |    |                |         |         |       |          | YES                      | NO                       |
| 240 | AL | WO99/<br>23696 | 5/14/99 | WIPO    |       |          | <input type="checkbox"/> | <input type="checkbox"/> |
| 240 | AM | 7-161761       | 6/23/95 | Japan   |       |          | <input type="checkbox"/> | <input type="checkbox"/> |
| 240 | AN | 11-40563       | 2/12/99 | Japan   |       |          | <input type="checkbox"/> | <input type="checkbox"/> |
|     | AO |                |         |         |       |          | <input type="checkbox"/> | <input type="checkbox"/> |
|     | AP |                |         |         |       |          | <input type="checkbox"/> | <input type="checkbox"/> |

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, etc.)

|     |    |  |   |  |  |  |  |  |
|-----|----|--|---|--|--|--|--|--|
| 240 | AR |  | "Electronics Mount Technology Extra Edition 2000", Gijyutsu-chyuosa-kai Corp., issued May 28, 2000, pp. 81-113. |  |  |  |  |  |
|     | AS |  |   |  |  |  |  |  |
|     | AT |  |   |  |  |  |  |  |

EXAMINER

Dagk K. Owan

DATE CONSIDERED

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## U.S. PATENT DOCUMENTS

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|                       | AA       |      |      |       |          |                                 |
|                       | AB       |      |      |       |          |                                 |
|                       | AC       |      |      |       |          |                                 |
|                       | AD       |      |      |       |          |                                 |
|                       | AE       |      |      |       |          |                                 |
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|                       | AG       |      |      |       |          |                                 |
|                       | AH       |      |      |       |          |                                 |
|                       | AI       |      |      |       |          |                                 |
|                       | AJ       |      |      |       |          |                                 |
|                       | AK       |      |      |       |          |                                 |

## FOREIGN PATENT DOCUMENTS

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|-----|---------------|---------|---------|-------|----------|--------------------------|--------------------------|
|     |               |         |         |       |          | YES                      | NO                       |
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| OKO | AM 7-161761   | 6/23/95 | Japan   |       |          | <input type="checkbox"/> | <input type="checkbox"/> |
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